

Australian/New Zealand Standard™

Structural steel

Part 2: Welded I sections



AS/NZS 3679.2:2010

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-023, Structural Steel. It was approved on behalf of the Council of Standards Australia on 28 October 2010 and on behalf of the Council of Standards New Zealand on 5 November 2010.

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The following are represented on Committee BD-023:

Austrroads
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Steel Association
Australian Steel Institute
Bureau of Steel Manufacturers of Australia
Business New Zealand
Steel Construction New Zealand
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Jointly revised and designated AS/NZS 3679.2:1996.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-023, Structural Steel to supersede AS/NZS 3679.2:1996.

The objective of this Standard is to specify requirements for welded I sections for general structural and engineering functions. These functions include the possibility of such welded I sections being subjected to dynamic and other special loads.

The contents of this edition align with:

AS

3597 Structural and pressure vessel steel—Quenched and tempered plate

AS/NZS

1163 Structural steel hollow sections

3678 Structural steel—Hot-rolled plates, floorplates and slabs

3679 Structural steel

3679.1 Part 1: Hot-rolled bars and sections

This edition incorporates the following major changes to the previous edition:

- (a) Redundant grades 250, 250L0, 250L15, 350, 350L0 and 350L15 have been removed.
- (b) The mandatory requirement for test reports and test certificates to be performed by third-party accredited laboratories.
- (c) The introduction of mandatory minimum information required on test certificates.
- (d) The inclusion of Appendix B on product conformity as a mandatory provision for conformance with this Standard.
- (e) The web-to-flange testing frequency has been revised and moved to Appendix B
- (f) Section dimensions has been moved to the new Appendix C.

To permit the steel industry time to adjust to the new edition of the Standard, the 1996 edition of AS/NZS 3679.1 will remain ‘available superseded’ and will be withdrawn 12 months from the date of publication of this Standard.

A statement expressed in mandatory terms in a note to a table is deemed to be a requirement of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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